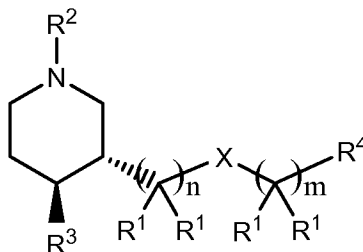


## CLAIMS

This listing of the claims will replace all prior versions and listings of the claims in the application.

1. **(currently amended)** A compound represented by formula **I**:



wherein

$R^1$  represents independently for each occurrence H or alkyl;

$R^2$  is H, alkyl, aryl, aralkyl, or  $-C(O)R^5$ ;

$R^3$  is aryl, heteroaryl, or aralkyl;

$R^4$  is ~~hydrogen, hydroxyl, aryl, heteroaryl,  $OR^5$ ,  $CO_2R^6$ ,  $C(O)N(R^6)_2$ ,  $C(O)NHOH$ ,  $OC(O)R^5$ , or oxadiazole~~;

$R^5$  is alkyl, aryl, heteroaryl, or aralkyl;

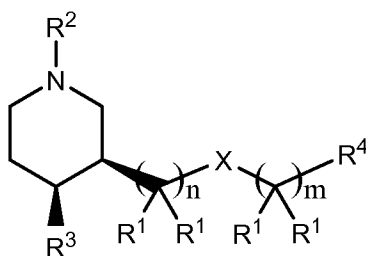
$R^6$  represents independently for each occurrence hydrogen, alkyl, aryl, or aralkyl, wherein any two instances of  $R^6$  may be covalently attached to form a ring;

X is S,  $-S(O)-$ , or  $-S(O_2)-$ ;

n is 1, 2, 3, or 4; and

m is 1, 2, 3, or 4.

2. **(currently amended)** A compound represented by formula **II**:



wherein

R<sup>1</sup> represents independently for each occurrence H or alkyl;

R<sup>2</sup> is H, alkyl, aryl, aralkyl, or -C(O)R<sup>5</sup>;

R<sup>3</sup> is aryl, heteroaryl, or aralkyl;

R<sup>4</sup> is ~~hydrogen, hydroxyl, aryl, heteroaryl, OR<sup>5</sup>, CO<sub>2</sub>R<sup>6</sup>, C(O)N(R<sup>6</sup>)<sub>2</sub>, C(O)NHOH,~~  
OC(O)R<sup>5</sup>, or oxadiazole;

R<sup>5</sup> is alkyl, aryl, heteroaryl, or aralkyl;

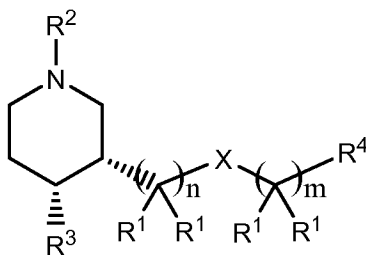
R<sup>6</sup> represents independently for each occurrence hydrogen, alkyl, aryl, or aralkyl,  
wherein any two instances of R<sup>6</sup> may be covalently attached to form a ring;

X is S, -S(O)-, or -S(O<sub>2</sub>)-;

n is 1, 2, 3, or 4; and

m is 1, 2, 3, or 4.

3. **(currently amended)** A compound represented by formula **III**:



wherein

$R^1$  represents independently for each occurrence H or alkyl;

$R^2$  is H, alkyl, aryl, aralkyl, or  $-C(O)R^5$ ;

$R^3$  is aryl, heteroaryl, or aralkyl;

$R^4$  is ~~hydrogen, hydroxyl, aryl, heteroaryl,  $OR^5$ ,  $CO_2R^6$ ,  $C(O)N(R^6)_2$ ,  $C(O)NHOH$ ,  $OC(O)R^5$ , or oxadiazole~~;

$R^5$  is alkyl, aryl, heteroaryl, or aralkyl;

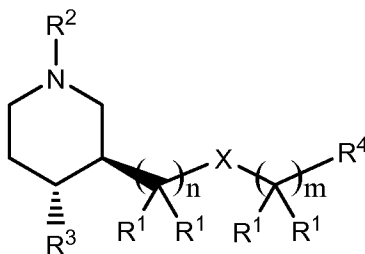
$R^6$  represents independently for each occurrence hydrogen, alkyl, aryl, or aralkyl, wherein any two instances of  $R^6$  may be covalently attached to form a ring;

X is S,  $-S(O)-$ , or  $-S(O_2)-$ ;

n is 1, 2, 3, or 4; and

m is 1, 2, 3, or 4.

4. **(currently amended)** A compound represented by formula **IV**:



**IV**

wherein

$R^1$  represents independently for each occurrence H or alkyl;

$R^2$  is H, alkyl, aryl, aralkyl, or  $-C(O)R^5$ ;

$R^3$  is aryl, heteroaryl, or aralkyl;

$R^4$  is ~~hydrogen, hydroxyl, aryl, heteroaryl,  $OR^5$ ,  $CO_2R^6$ ,  $C(O)N(R^6)_2$ ,  $C(O)NHOH$ ,  $OC(O)R^5$ , or oxadiazole~~;

$R^5$  is alkyl, aryl, heteroaryl, or aralkyl;

$R^6$  represents independently for each occurrence hydrogen, alkyl, aryl, or aralkyl, wherein any two instances of  $R^6$  may be covalently attached to form a ring;

X is S, -S(O)-, or -S(O<sub>2</sub>)-;

n is 1, 2, 3, or 4; and

m is 1, 2, 3, or 4.

Claims 5-23 (canceled)

24. (original) The compound of claim 2, wherein X is S or -S(O)-.
25. (original) The compound of claim 2, wherein  $R^2$  is methyl, ethyl or propyl.
26. (original) The compound of claim 2, wherein  $R^2$  is methyl.
27. (currently amended) The compound of claim 2, wherein  $R^3$  is aryl ~~optionally substituted phenyl~~.
28. (currently amended) The compound of claim [[2]] 27, wherein  $R^3$  is halophenyl.
29. (currently amended) The compound of claim [[2]] 27, wherein  $R^3$  is 3-chlorophenyl.
30. (canceled)
31. (currently amended) The compound of claim 2, wherein  ~~$R^4$  is C(O)N( $R^6$ )<sub>2</sub> and  $R^6$~~  represents independently for each occurrence hydrogen or alkyl.
32. (original) The compound of claim 2, wherein X is S, n is 1, m is 1,  $R^1$  is hydrogen,  $R^2$  is methyl, and  $R^3$  is 3-chlorophenyl.
33. (canceled)
34. (original) The compound of claim 2, wherein X is S, n is 1, m is 1,  $R^1$  is hydrogen,  $R^2$  is methyl,  $R^3$  is 3-chlorophenyl, and  $R^4$  is C(O)N(H)iPr.
35. (original) The compound of claim 3, wherein X is S or -S(O)-.
36. (original) The compound of claim 3, wherein  $R^2$  is methyl, ethyl or propyl.
37. (original) The compound of claim 3, wherein  $R^2$  is methyl.

38. **(currently amended)** The compound of claim 3, wherein  $R^3$  is aryl ~~optionally substituted phenyl~~.
39. **(currently amended)** The compound of claim ~~[[3]]~~ 38, wherein  $R^3$  is halophenyl.
40. **(currently amended)** The compound of claim ~~[[3]]~~ 38, wherein  $R^3$  is 3-chlorophenyl.
41. **(canceled)**
42. **(currently amended)** The compound of claim 3, wherein  ~~$R^4$  is  $C(O)N(R^6)_2$  and  $R^6$~~  represents independently for each occurrence hydrogen or alkyl.
43. **(original)** The compound of claim 3, wherein X is S, n is 1, m is 1,  $R^1$  is hydrogen,  $R^2$  is methyl, and  $R^3$  is 3-chlorophenyl.
44. **(canceled)**
45. **(original)** The compound of claim 3, wherein X is S, n is 1, m is 1,  $R^1$  is hydrogen,  $R^2$  is methyl,  $R^3$  is 3-chlorophenyl, and  $R^4$  is  $C(O)N(H)iPr$ .
46. **(original)** The compound of claim 4, wherein X is S or  $-S(O)-$ .
47. **(original)** The compound of claim 4, wherein  $R^2$  is methyl, ethyl or propyl.
48. **(original)** The compound of claim 4, wherein  $R^2$  is methyl.
49. **(currently amended)** The compound of claim 4, wherein  $R^3$  is aryl ~~optionally substituted phenyl~~.
50. **(currently amended)** The compound of claim ~~[[4]]~~ 49, wherein  $R^3$  is halophenyl.
51. **(currently amended)** The compound of claim ~~[[4]]~~ 49, wherein  $R^3$  is 3-chlorophenyl.
52. **(canceled)**
53. **(currently amended)** The compound of claim 4, wherein  ~~$R^4$  is  $C(O)N(R^6)_2$  and  $R^6$~~  represents independently for each occurrence hydrogen or alkyl.
54. **(original)** The compound of claim 4, wherein X is S, n is 1, m is 1,  $R^1$  is hydrogen,  $R^2$  is methyl, and  $R^3$  is 3-chlorophenyl.
55. **(canceled)**

56. **(original)** The compound of claim 4, wherein X is S, n is 1, m is 1, R<sup>1</sup> is hydrogen, R<sup>2</sup> is methyl, R<sup>3</sup> is 3-chlorophenyl, and R<sup>4</sup> is C(O)N(H)iPr.

Claims 57-107(**canceled**)

108. **(previously presented)** The compound of claim 1, wherein X is S or -S(O)-.

109. **(previously presented)** The compound of claim 1, wherein R<sup>2</sup> is methyl, ethyl or propyl.

110. **(previously presented)** The compound of claim 1, wherein R<sup>2</sup> is methyl.

111. **(currently amended)** The compound of claim 1, wherein R<sup>3</sup> is aryl ~~optionally substituted phenyl~~.

112. **(currently amended)** The compound of claim ~~[[1]]~~ 111, wherein R<sup>3</sup> is halophenyl.

113. **(currently amended)** The compound of claim ~~[[1]]~~ 111, wherein R<sup>3</sup> is 3-chlorophenyl.

114. **(canceled)**

115. **(currently amended)** The compound of claim 1, wherein ~~R<sup>4</sup> is C(O)N(R<sup>6</sup>)<sub>2</sub> and~~ R<sup>6</sup> represents independently for each occurrence hydrogen or alkyl.

116. **(previously presented)** The compound of claim 1, wherein X is S, n is 1, m is 1, R<sup>1</sup> is hydrogen, R<sup>2</sup> is methyl, and R<sup>3</sup> is 3-chlorophenyl.

117. **(canceled)**

118. **(previously presented)** The compound of claim 1, wherein X is S, n is 1, m is 1, R<sup>1</sup> is hydrogen, R<sup>2</sup> is methyl, R<sup>3</sup> is 3-chlorophenyl, and R<sup>4</sup> is C(O)N(H)iPr.